

## ABSTRACT

The present invention provides a fluororubber copolymer containing PMVE units, which has excellent chemical resistance and low-temperature resistance. Specifically, the present invention provides a fluororubber copolymer comprising 40 to 70 % by mol of vinylidene fluoride units, 10 to 25 % by mol of tetrafluoroethylene units, and 20 to 35 % by mol of perfluoro(methyl vinyl) ether units, and containing 0.05 to 2 % by weight of iodine based on the copolymer; which is obtained by radical polymerization in the presence of a diiodine compound represented by the following formula (1):



(wherein R is a saturated fluorohydrocarbon group or a chlorofluorohydrocarbon group having 1 to 16 carbon atoms or a hydrocarbon group having 1 to 3 carbon atoms); wherein after vulcanization, TR70 in a TR test according to ASTM D1329 is -20 to -30°C, and the volume change ratio after immersing at 40°C × 70 hours in a mixture comprising fuel C:methanol = 15:85 weight ratio is 8 to 20 %.